

KHNYKIN, V.F., kand. tekhn. nauk

Compactness of hydraulic giant jets and selection of the  
optimum diameter of nozzles. Ugol' 39 no.3:26-29 My'64.  
(MIRA 17:5)

1. Institut gornogo dela im. A.A. Skochinskogo.

MARTYNOV, A.A.; KHNYKIN, V.I.

Distribution boundaries of Lower Permian salt-bearing sediments  
in the Dnieper-Donets Lowland. Trudy UkrNIGRI no.5:30-33 '63.

Principles of the structural regionalization and identification  
of the promising uplifts of the Dnieper-Donets Lowland. Ibid.:34  
(MIRA 18:3)

KHNYKINA, L.A.

Pharmacognostic study of crude skullcap *Scutellaria baicalensis*  
Georgi. Apt. delo 11 no.1:27-30 Ja-F '62. (MIRA 15:4)

1. Tomskiy meditsinskiy institut.  
(SKULLCAP (BOTANY)) (PHARMACOGNOSY)

KHNYUNIN, I. D.

PA 59/49T28

USSR/Medicine - Fatty's Disease, Feb 49

Etymology  
Medicine - Disposal and Purification of  
Sewage

"Acute Alimentary Myositis (Fatty-Yusovskiy's  
Disease)", I. D. Khnyunin, Chair of Gen Hygiene,  
Novosibirsk Med Inst, 4 1/2 pp

"Sig 1 San" No 2

Intoxication brought about by poisons absorbed  
from preserved food by the fatty tissues and  
acting on voluntary muscles leads to rapid  
fatigue. Data on this disease is lacking. There-  
fore, recommends extensive clinico-epidemiological

59/49T28

USSR/Medicine - Fatty's (Contd) Feb 49  
Disease, Etymology

and experimental studies. Suggests control of  
dumping waste containing hemp-nettle remains in  
places where fish might have access to them.

59/49T28

KHNYUNINA, O.I.; GOLOVINA, A.A. (Novosibirsk)

On Marfan's syndrome. Klin.med. 39 no.4:55-60 '61. (MIRA 14:4)

1. Iz kafedry fakul'tetskoy terapii (zav. - zasluzhennyy deyatel' nauki prof. G.D. Zaleskiy) i kafedry patologicheskoy anatomii (zav. - prof. B.M. Konstantinov) Novosibirskogo meditsinskogo instituta (dir. - zasluzhennyy deyatel' nauki prof. G.D. Zaleskiy).

(ARACHNODACTYLY)

KHNZORYAN, S.H.

Mining snout beetles on the oaks of the Armenian S.S.R. and their  
significance in forestry. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 4  
no.1:41-46 '51. (MLBA 9:8)

1. Botanicheskiy institut i sad Akademii nauk Armyanskoy SSR.  
(Armenia--Snout beetles)  
(Oak--Diseases and pests)

KHNZORYAN S.M.

Coleoptera pests of the willow family in the Armenian S.S.R. Izv.  
AN Arm.SSR.Biol.i sel'khoz.nauki 6 no.3:43-54 '53. (MLRA 9:8)

1. Sektor zashchity rasteniy Akademii nauk Arm. SSR.  
(ARMENIA--BEETLES) (WILLOWS--DISEASES AND PESTS)

KHEZORYAN, S.M.

*Tanyproctus* (*Tetraproctus*) *antennatus* sp.nov., a new representative of the family of leaf-horned beetles (Coleoptera, Scarabaeidae) from the Armenian S.S.R. Dokl.AN Arm.SSR 16 no.5:149-150 '53. (MLRA 9:10)

1.Zoologicheskiy institut Akademii nauk Armyanskoy SSR. Predstavleno G.Kh Bunyatyanom.  
(Kanakar--Scarabeidae)

**KHNZORYAN, S.M.**

New cockchafer from Armenian S.S.R.--*Amphimallon (Erytrotrogus)*  
*medvedevi* sp. nov. (Coleoptera, Scarabaeidae). Dokl. AN Arm.SSR  
17 no.1:27-28 '53. (MLRA 7:6)

1. Zoologicheskiy institut Akademii nauk Armyanskoy SSR. Pred-  
stavleno G.Kh.Bunyatyanyanem.  
(Armenia--Cockchafers)

**KHNZORIAN, S.M.**

A new species of the family Curculionidae found in the Armenian SSR:  
*Curculio (Balanobius) excellens* sp. n. Dokl. AN Arm. SSR 17 no.2:  
63-64 '53. (MIRA 8:2)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR. Predstav-  
leno G.Kh. Bunyatyanom.  
(Armenia--Weevils)

KHNZORYAN, S.M.

Role of the Coleoptera in the fertilization of flowers. Izv. AN  
Arm. SSR. Biol. i sel'khoz. nauki 7 no. 6: 47-55 Je '54. (MLR 9:8)

1. Zoologicheskii institut AN Arm. SSR.  
(Plant fertilization) (Beetles)

KHIZORYAN, S.M.

New species of beetle found in the Armenian S.S.R. (Coleoptera,  
Chrysomelidae) *Haltica armeniaca* sp. n. Dokl. AN Arm. SSR 19 no.2:  
59-60 '54. (MLRA 8:7)  
1. Zoologicheskii institut Akademii nauk Armyanskoy SSR. Predstavleno  
G.Kh. Bunyatyanom. (Armenia--Beetles)

**KHEZORYAN, S.M.**

Four new species of Coleoptera from the Armenian S.S.R. (Coleoptera, Insecta). Dokl.AN Arm.SSR 22 no.3:135-139 '56. (MIRA 9:8)

1. Zoologicheskiy institut Akademii nauk Armyanskoy SSR. Predstavleno R.Kh. Buniatyanom.

(Armenia--Beetles)

KHNZORYAN, S.M.

New leaf-rolling weevil (Coleoptera, Attelabidae) Coenorrhinus  
phryganophilus Khnzorian sp.nov. from the Armenian S.S.R. Dokl.  
AN Arm.SSR 22 no.5:225-226 '56. (MLRA 9:9)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR.  
Predstavleno G.Kh. Bunyatyanom.  
(Armenia--Beetles)

~~UNZORTAN, S.M.~~

New species of darkling beetle (Coleoptera, Tenebrionidae)  
from the Armenian S.S.R. Dokl.AN Arm.SSR 23 no.1:41-43 '56.  
(MLRA 9:11)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR.  
Predstavleno G.Kh. Bunyatyanom.  
(Armenia--Darkling beetles)

KHNZORYAN S.M.

Country : USSR  
CATEGORAY :

F-5

Ass. JOUR. : RZBiol., No. 19, 1958, No. 87753

AUTHOR : KHzoryan, S. M.  
INST. : Academy of Sciences Armenian SSR  
TITLE : Coleoptera of the Oak in Armenian SSR

ORIG. PUB. : Zool. sb. AN ARMSSR, 1957, No 10, 59-152

ABSTRACT : In the Armenian SSR two species of oak are of economic importance: the Georgian Oak (*Quercus ibexica*) and the Eastern or Large-Antler Oak (*Q. macranthera*), the fauna of which is considered jointly. Altogether 367 species of coleoptera are reported, among which the most numerous group is that of xylophages -- 177 species (48.2% of the fauna). The role of coleoptera in biocenosis of the oak is considered, as well as the influence of the environment on dynamics of development of pests, and also the origin of the fauna of oak plantings in Armenia.  
V. I. Grimal'skiy.

CARD:

KHNZORYAN, S.M.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722120006-1"

New species of Coleoptera from the Armenian S.S.R. and the Nakhichevan  
A.S.S.R. Zool. sbor. no. 10:153-183 '57. (MIRA 11:7)

(Armenia--Beetles)

(Nakhichevan A.S.S.R.--Beetles)

KHNZORYAN, S.M.

KHNZORYAN, S.M.

A new rhipiphorid beetle (Coleoptera, Rhipiphoridae) from the  
Armenian S.S.R. Dokl. AN Arm. SSR 24 no.5:231-232 '57. (MIRA 10:7)

1. Zoologicheskii institut Akademii nauk Armyanskoy SSR Pred-  
stavleno V.A. Panardzhyanom.

(Armenia—Beetles)

KHIZORYAN, S. M.

New beetle species from the Talysh (Insecta, Coleoptera). Izv. AN  
Azerb. SSR Ser. biol. i sel'khoz. nauk no. 3:57-62 '59.  
(MIRA 12:8)

(Lenkoran District--Beetles)

KHNZORYAN, S.M.

New comb-clawed beetle from the Aras Valley (Coleoptera,  
Alleculidae, *Mycetocharina riabovi* Khnzorian sp.nov.). Dokl.  
AN SSR 29 no.3:141-143 '59. (MIRA 13:2)

1. Zoologicheskii institut AN ArmSSR. Predstavleno akademikom  
AN ArmSSR V.Tanardzhyanom.  
(Aras Valley--Comb-clawed beetles)

KHNZORYAN, S.M.

New species of comb-clawed beetles from the Armenian S.S.R. (Coleoptera, Alleculidae) *Heliotaurus emmae* Khnzorian sp.nov. Dokl. AN Arm. SSR 28 no.4:191-192 '59. (MIRA 12:11)

1. Zoologicheskiy institut AN ArmSSR. Predstavleno akademikom AN ArmSSR V.A. Panardzhyanom.  
(Armenia--Comb-clawed beetles)

KHNZORYAN, S.M.

New coleopteran species (Coleoptera, Insecta) from the  
Armenian S.S.R. and the Nakhichevan A.S.S.R. Pt.2. Zool.  
sbor. 11:65-78 '59. (MIRA 13:8)  
(Armenia--Beetles) (Nakhichevan A.S.S.R.--Beetles)

KHNZORYAN, S.M.

Three new species of Coleoptera from the Araks Valley.  
Dokl. AN Arm. SSR 31 no. 4:251-256 '60. (MIRA 13:12)

1. Zoologicheskiy institut Akademii nauk Armyanskoy SSR.  
Predstavleno akademikom AN Armyanskoy SSR V.O.Gulkanyanom.  
(Aras Valley--Beetles)

CHILINGARYAN, A. A.; KHNZORIAN, S. M.

Zoological Institute of the Academy of Sciences of the Armenian  
S.S.R. and the 40th anniversary of the establishment of Soviet  
rule in Armenia. Zool. sbor. no.12:5-40 '62.

(MIRA 15:10)

(Armenia--Zoological research)  
(Bibliography--Armenia--Zoology)  
(Armenia--Zoology--Bibliography)

KHYZORYAN, S. M.

New species of Coleoptera from Transcaucasia. Zool. sbor. no.12:  
99-124 '62. (MIRA 15:10)

(Transcaucasia—Beetles)

*Khoba, V.*

107-57-6-43/57

AUTHOR: Khoba, V. (Odessa)

TITLE: Lacquering of Chassis (Pokrytiye shassi lakom)

PERIODICAL: Radio, 1957, Nr 6, p 56 (USSR)

ABSTRACT: Fifteen grams of powdered aluminum should be put in 110 grams nitro-lacquer diluted by acetone. A thin film is spread over the chassis by means of an ordinary atomizer.

AVAILABLE: Library of Congress

Card 1/1

ABDULIYEV, F.B.; KHORDABERGANOV, B.ZH.; KOLOSOV, B.V.  
APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722120006-1"

Extremum methods for finding the optimal parameters of waste rock piling during open-pit mining operations. Izv. AN Uz. SSR. Ser. tekhn. nauk 9 no.3:67-76 '65. (MIRA 18:8)

1. Institut mekhaniki i Vychislitel'nyy tsentr AN UzSSR.

AKHMETOV, K.T.; DONCHENKO, P.A.; KUBYSHEV, N.N.; VOLKOV, I.P.; KARAPETIAN, V.K.;  
YELIAKOV, I.I.; CHIKRIZOV, M.V.; KHOBDABERGENOV, R.Zh.

Modernizing the industrial equipment of lead production and the  
growth of labor productivity. TSvet. met. 36 no.7:11-19 J1  
'63. (MIRA 16:8)

(Lead industry--Equipment and supplies)

KHOBENSKIY, B. D.,

"The Role of Innovators in the Technolgoical Progress of a Plant," Technological  
Developments at the Leningrad Metal Works imeni Stalin, Moscow, Mashgiz, 1957.  
p. 277.

TSERMAN, M.D.; OSTAPYSHIN, N.K.; KHOBER, F.S.

Use of a combined piecework and bonus system of wages for repair  
work. Sakh. prom. 32 no.4:49-51 Ap '58. (MIRA 11:6)

1.Sakharnyy zavod "Kreshchatik."  
(Repairing) (Wages)

SMIRNOV, V.S.; KOSTENKO, M.P.; NEYMAN, L.R.; KOSTENKO, M.V.; DOMANSKIY,  
B.I.; ZALESSKIY, A.M.; USOV, S.V.; AYZENBERG, B.L.; DUBINSKIY,  
L.A.; ALEKSANDROV, G.N.; GRIBOV, A.N.; GRUZDEV, I.A.; LEVINSHTEYN,  
M.L.; MIKIRTICHEV, A.A.; MIKHAYLOVA, V.I.; RUZIN, Ya.L.; STEFANOV,  
K.S.; KHOBERG, V.A.; SHCHERBACHEV, O.V.

M.D. Kamenskii; on his 80th birthday. Izv. vys. ucheb. zav.;  
energ. 8 no.7:130-131 J1 '65. (MIRA 18:9)

KHOBERG, V. A.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

211.7.  
"Investigation of the Impulse Stability of the Insulation of a Transmission Line on Wooden Supports." 8 March 1954. An investigation was made of the impulse stability of wood, combination insulation "insulator string -- cross member -- insulator string" and "air gap -- wood." An evaluation was made of the voltage distribution along the elements of the combination insulation.

SO: M-1048, 28 Mar 56

8(0)

SOV/112-59-4-6902

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 4, p 70 (USSR)

AUTHOR: Aleksandrov, G. N., and Khoberg, V. A.

TITLE: Estimation of the Space-Charge Region in an AC Corona-Displaying Gap

PERIODICAL: Tr. Leningr. politekhnich. in-ta, 1958, Nr 195, pp 323-328

ABSTRACT: The space-charge volume of a corona-displaying gap depends on the amplitude and frequency of the applied voltage and on the corona loss. Barriers set within the corona gap limit the space-charge region and lessen the losses. The space-charge region around a wire can be found by the deviation of  $P = f(U)$  characteristic from that pertaining to a free gap. Measurements were made in a cylinder of 2 m diameter and a wire of 0.37 cm diameter, at 25 and 50 cps, and with barriers of 15-50 cm. Formulae have been developed for the radius of the space-charge region and for the voltage on the wire, which permit evaluating the space-charge region around the wire and selecting the research cylinder size so that the measurements would not be distorted by a through convection current.

Card 1/1

V.A.Kh.

L 22149-66

ACC NR: AP6012968

SOURCE CODE: UR/0143/65/000/007/0130/0131

AUTHOR: Smirnov, V. S.; Kostenko, M. P.; Neyman, L. R.; Kostenko, M. V.;  
Domanskiy, B. I.; Zalesskiy, A. M.; Usov, S. V.; Ayzenberg, B. L.; Dubinskiy, L. A.;  
Aleksandrov, G. N.; Gribov, A. N.; Gruzdev, I. A.; Levinshteyn, M. L.;  
Mikirtichev, A. A.; Mikhaylova, V. I.; Ruzin, Ya. L.; Stefanov, K. S.;  
Knoberg, V. A.; Shcherbachev, O. V.

ORG: none

TITLE: Honoring the 80th birthday of Mikhail Davidovich Kamenskiy

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 7, 1965, 130-131

TOPIC TAGS: electric power engineering, electric engineering personnel,  
hydroelectric power plant, thermoelectric power plant

ABSTRACT: On 19 April 1965 Prof. Dr. Techn. Sci. Mikhail David-  
ovich Kamenskiy celebrated his 80th birthday and the 55th anni-  
versary of his active work as a power expert. Mikhail Davidovich  
is a 1909 graduate of the Petersburg Polytechnic Institute - since  
his graduation he has been associated with this institute, now  
renamed Leningrad Polytechnic Institute, as an instructor. He is  
a major scientist and specialist in electric power grids and sys-  
tems. He has been a major contributor to the establishment of  
the Leningrad Power Grid and various large thermal and hydro-

Card 1/2

L 22149-66

ACC NR: AP6012968

electric power stations and an active participant in the design and construction of high- and low-voltage power systems in many cities of the Soviet Union. During the Siege of Leningrad in World War II he was a member of the Municipal Party Defense Committee. Since the war Mikhail Davidovich has been head of the Chair of Electric Power Grids and Systems at the Leningrad Polytechnic Institute and has been working on the methods of calculating the economic regimes of power system operation and on the problems of the present-day development of urban power systems. M.D. Kamenskiy has published more than 80 works, including both original studies as well as textbooks that are popular in the Soviet Union and abroad. He is the chairman of the Section on Power Systems and Grids under the Leningrad Division of the Scientific and Technical Division of the Power Industry and organizer of and participant in many scientific-technical conferences and meetings. His merits as an educator of a new school of Soviet power engineers are equally large. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 10 / SUBM DATE: none

Cord 2/2 d/a

KHOBETS, L.G.

Using a ring made of a ferromagnetic band in spectral analysis of  
noises. Prom. aerodin. no. 18: 80-94 '60. (MIRA 14:5)

(Magnetic recorders and recording)  
(Acoustical engineering)

KHOBLOCHOVA, Jirina, MUDr

Organization of psychiatric care of neurotics. Neur. psychiat.  
cesk. 17 no.4:213-216 Aug 54.

1. Z psychiatrické kliniky v Praze, přednosta prof. MUDr  
Z. Mysliveček  
(NEUROSES, therapy  
psychiatric care, organiz. in Czech.)

RABOTNOV, V.T.; KHCROT, M.R.

Some regularities in the change of the density and specific weight  
of the Riphean (Sinean) sediments of southwestern Yakutia. Neftegaz.  
geol. i geofiz. no.1:34-37 '65. (MIRA 18:5)

1. Yakutskoye geologicheskoye upravleniye.

DZHABIROV, A.; ORDYNSKIY, I.; KHOBOTOV, N., pensioner; TOMUS, Ye.,  
domokhozyayka; GUTKOVSKAYA, R.; KRYLOVSKAYA, L.

Saran' today. Mast.ugl. 8 no.9:19-21 S '59.

(MIRA 13:2)

1. Karagandinskiy ugol'nyy basseyn. 2. Brigadir dobychnoy shakhty No.106 g.Saran' (for Dzhabirov). 3. Predsedatel' postoyanno deystvuyushchey komissii obshchestvennogo kontrolya za rabotoy otdela rabochego snabzheniya g.Saran' (for Ordynskiy)
  4. Literaturnyy sotrudnik gorodskoy gazety "Golos shakhtera," g.Saran' (for Gutkovskaya). 5. Spetsial'nyy korrespondent zhurnala "Master uglya" (for Krylovskaya).
- (Karaganda Basin--Cities and towns)

KHOBOTOV, S.I.; ANAN'YEVSKIY, M.G.

Mechanizing the removal of scale from under the roll tables  
of the 950 rolling mill. Sbor.rats.predl.vnedr.v proizv.  
no.5:24 '60. (MIFA 14:8)

1. Zlatoustovskiy metallurgicheskiy zavod.  
(Rolling mills—Technological innovations)

POCHTOVIK, G., nauchnyy sotrudnik; KRASNOVSKIY, R., nauchnyy sotrudnik;  
KHOBOTOV, V.

"Radio and electronics in the production of precast reinforced concrete"  
by I.S.Vainshtok. Reviewed by G.Pochtovik, R.Krasnovskiy and  
V.Khobotov. Na stroi. Ros. 3 no.2:39-40 F '62. (MIRA 16:2)

1. Kafedra stroitel'nykh konstruktsiy Moskovskogo avtodorozhnogo  
instituta (for Pochtovik, Krasnovskiy). 2. Zaveduyshchiy laboratoriyey  
elektroniki Moskovskogo avtodorozhnogo instituta (for Khobotov).  
(Electronic apparatus and appliances) (Vainshtok, I.S.)  
(Concrete plants—Equipment and supplies)

KHOBOTOV, V.P.

Attachment for milling three grooves. Biul. tekhn.-ekon. inform.  
Gos. nauch.-issl. inst. nauch. i tekhn. inform. 18 no. 12:30  
D '65 (MIRA 19:1)

KHOBOTOV, V.P.

Universal gauges. Mashinostroitel' no.9:23 S '64.

(MIRA 17:10)

KHOBOTOV, Yu. (Karpinsk)

Guiding spirit of a workers' group. Mast.ugl. 9 no.3:24  
Mr '60. (MIRA 13:6)  
(Trade unions) (Women as miners)

KHOBOTOV, Yu.

Idle running. Sov.shakht. 10 no.4:36-37 Ap '61.

(MIRA 14:9)

(Coal mines and mining) (Trade unions)

MOBOTOV, Yu. (Stalinsk)

A good name. Sov. profsoiuzy 17 no. 3:29 F '61. (MIRA 14:2)  
(Kuznetsk Basin--Coal mines and mining--Labor productivity)

KHOBOTOV, Yu.

Steep steps. Sov. shakh. 11 no.10:7-9. 0 '62. (MIRA 15:9)  
(Coal mines and mining)

SMIRNOV, Yevgeniy Vasil'yevich, kand.tekhn.nauk; KHOBOTOV, Yu.A., red.

[Over-all mechanization of coal and ore handling in river harbors] Kompleksnaya mekhanizatsiya peregruzki uglia i rudy v rechnykh portakh. Moskva, 1959. 151 p. (MIRA 13:7)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta.

(Harbors--Equipment and supplies)

(Ore handling--Equipment and supplies)

ZVONKOV, V.V., prof.; FOMKINSKIY, L.I., inzh.. Prinimali uchast'ye:  
STRUNNIKOVA, V.P., inzh.; POKROVSKAYA, I.K., inzh.; DZADZAMIYA,  
L.A., tekhnik; SHAPOSHNIKOV, Ye.M., inzh., KHOBOTOV, Yu.A.,  
red.; BOBROVA, V.A., tekhn.red.

[Ship tractive and propulsive speed calculations; a proposed  
guide] Sudovye tiagovye i skorostnye raschety; proekt rukovodstva. Moskva, Izd-vo "Rechnoi transport," 1959. 213 p.  
(MIRA 13:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Zvonkov).
2. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta (for Shaposhnikov).  
(Towing) (Ship propulsion)

KHOBOVA, N.M., ekskursovod; TROITSKAYA, N.K.; GRINBERG, A.M.; DOMINSKAYA, G.B.; SHUTOV, T.I.

Exhibitions and displays of special items. Inform. biul.  
VDNKH no.10:9-11 '63. (MIRA 18:5)

1. Razdel "Priborostroyeniye i sredstva avtomatizatsii" pavil'ona "Mashinostroyeniye" na Vystavke dostizheniy narodnogo khozyaystva (for Khobotova).
2. Glavnyy inzh.-metodist pavil'ona "Mashinostroyeniye" na Vystavke dostizheniy narodnogo khozyaystva (for Troitskaya).
3. Glavnyy metodist razdela "Geologiya" ob"-yedinennogo pavil'ona "Toplivnaya promyshlennosti' i geologiya" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Dominskaya).
4. Direktor pavil'ona "Molochnaya promyshlennost'" na Vystavke dostizheniy narodnogo khozyaystva SSSR (for Shutov).

ROTENBERG, I.P.; KHOBOTOVA, Ye.N.; YUFEROV, A.M.; KOZLOVA, G.I.

Purification of waste waters from the manufacture of phenol-  
formaldehyde resins. Plast.massy no.3:69-71 '60.

(MIRA 13:6)

(Sewage--Purification) (Phenols)

L 1352-66 EMP(j)/ENT(m) RM

ACCESSION NR: AP5024396

UR/0286/65/000/015/0080/0080

678,743.22-426

AUTHOR: Kiya, N. V.; Rotenberg, I. P.; Khrasova, Z. N.; Khobotova, Ye. N.;  
Zapol'skaya, K. I.; Lebedeva, V. S.; Kupriyanova, K. I.; Karmanskaya, H. A.;  
Kiselev, M. P.; Yerevin, V. I.; Lopatentova, N. A.

TITLE: A method for producing polyvinyl chloride foam. Class 35, No. 173403

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 80

TOPIC TAGS: polyvinyl chloride, foam plastic

ABSTRACT: This Author's Certificate introduces a method for producing polyvinyl chloride foam by mixing polyvinyl chloride resin with a plasticizer and additives and then saturating the resultant mass with inert gas under pressure and heating it in a high-frequency current field. The processing is made independent of the moisture-content of the resin by vacuum evaporation treatment of the plastic mass before saturation with the inert gas.

ASSOCIATION: Vladimirskiy nauchno-issledovatel'skiy institut sinteticheskikh smol (Vladimir Scientific Research Institute of Synthetic Resins)

SUBMITTED: 02Jan63

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Cord 1/1 KC

ACC NR: AP6034761

(N)

SOURCE CODE: UR/0020/66/170/005/1189/1191

AUTHOR: Stroganov, N. S.; Kochkin, D. A.; Khobot'yev, V. G.; Kolosova, L. V.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Use of tin-organic compounds to combat plankton

SOURCE: AN SSSR. Doklady, v. 170, no. 5, 1966, 1189-1191

TOPIC TAGS: organotin compound, water purifying compound, fungicide

ABSTRACT: In view of the large cost of commercial water purification equipment by filtering, and in view of the absence of a universal chemical poison for plankton, the authors have tested the possible use of tin-organic compounds, especially trialkyl (allyl) substitutes, which have bactericidal, fungicidal, and insecticidal properties. This is the first published reference to the use of these compounds for combatting plankton. The synthesized tin-organic compounds were  $(CH_3)_3SnOH$ ,  $(CH_3)_3SnOOCCH_3$ ,  $(C_6H_5CH_2)_3SnOH$ , and  $(C_6H_5CH_2)_3SnCl$ , and were tested on phytoplankton and zooplankton. The tests were made in accordance with a procedure described elsewhere (Zool. zhurn. AN SSSR v. 41, no. 1, 1962) and lasted on the average for 30 days. The results showed that even a concentration of 0.02 mg/l killed most of the phytoplankton, and decreased the birth rate of zooplankton by a factor of 3. Ionic tin ( $SnCl_2$ ), tested for comparison, is much weaker and calls for a dose of 35 mg/l. It is proposed that tin-organic

Card 1/2

UDC: 577.472(28)

ACC NR: AP6034761

compounds are superior to mineral tin in that they exhibit a higher toxicity at much lower concentrations. This report was presented by Academician V. N. Shaposhnikov 10 March 1966. Orig. art. has: 2 figures and 2 tables.

SUB CODE: 06/ SUBM DATE: 03Mar66/ ORIG REF: 007/ OTH REF: 008

Card 2/2

KHOBOT'YEV, V.G.

Biogeochemical provinces with calcium deficiency. Geokhimiia  
no.8:688-696 '60. (MIRA 14:1)

1. V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry,  
Academy of Sciences, U.S.S.R., Moscow.  
(Transbaikalia--Deficiency diseases)  
(Minerals in soil) (Calcium)

KHOBOT'YEV, V.G.

Some materials on the characteristics of biogeochemical provinces  
marked by the occurrence of the Urov disease. Trudy Biogeoekhim.  
lab. no.11:168-177 '60. (MIRA 14:5)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo  
AN SSSR.

(AMUR PROVINCE—ARTHRITIS, RHEUMATOID)  
(CHITA PROVINCE—ARTHRITIS, RHEUMATOID)

TERENT'YEV, A.P.; STROGANOV, N.S.; RUKHADZE, Ye.G.; KHOBOT'YEV, V.G.

Use of polymetallic ores and their products as algicides. Dokl.  
AN SSSR 164 no.4:928-930 O '65. (MIRA 18:10)

1. Moskovskiy gosudarstvennyy universitet. 2. Chlen-korrespondent  
AN SSSR (for Terent'yev).

RAYTSEV, M. (g.Suny); MARTOS, N., master-povar; CHERKASS, K., shef-povar  
(g.L'vov); KHOBT, N. (g. Khabarovsk)

Letters to the editor. Obshchestv. pit. no.10:56 0 '61.

(MIRA 15:1)

1. Zaveduyushchiy proizvodstvom restorana "Taymyr", g.  
Noril'sk (for Martos).

(Cookery)

KHOBT, P.

~~SECRET~~  
"Tables showing the number of revolution per second of a vane."  
Meteor. i gidrol. no. 9:54. (MIRA 8:9)  
(Vanes)

KHOBTA, P.M.

~~Integral flow meter. Meteor. i gidrel. no.12:49-50 D'56.~~

(MIRA 10:1)

(Flow meters)

KHOBT, P.M.

Some ice formations in tributaries of the Kuban' River.  
Meteor. i gidrol. no. 3:51 Mr '57. (MLRA 10:5)  
(Kuban' Valley--Ice on rivers, lakes etc.)

*Khobta P. M.*

AUTHORS: Atonen, A., Khobta, P. M.

50-1-16/26

TITLE: Two Opinions on the Report Forms "TD" for Stations and Observation Posts (Dva mneniya o blankakh "TD" dlya stantsiy i postov).

PERIODICAL: Meteorologiya i Gidrologiya 1958, Nr 1, pp. 51-52 (USSR)

ABSTRACT: I. The report forms of the technical data of a station (observation post) which were introduced instead of the earlier "passports" regulate, systematize and considerably simplify the technical recording of the network. The work of the inspectors for the formulation of inspection data is facilitated, therefore the inspectors can now spend more time on practical help in the very spot. In spite of these facts these blanks possess some disadvantages (An enumeration of these disadvantages is given).  
II. After looking through the form of technical data for posts (instead of the "passports") the following conclusions may be drawn: At present two technical files were among others instead of a "passport" introduced for almost all observation posts. The volume of work was thereby considerably increased. The data are dispersed and very badly arranged.

Card 1/2

Two Opinions on the Report Forms "TD" for Stations and  
Observation Posts.

50-1-16/26

AVAILABLE:      Library of Congress  
                 1. Weather stations

Card 2/2

3(7)

AUTHOR: Khobta, P. M.

SOV/50-59-7-17/20

TITLE: Some Remarks on the New "Instruction" (Nekotoryye zamechaniya po novomu "Nastavleniyu")

PERIODICAL: Meteorologiya i gidrologiya, 1959, Nr 7, pp 53 - 54 (USSR)

ABSTRACT: On January 1, 1958, the new instruction for hydrometeorological stations and posts, issue 6, part 1 "Hydrometeorological Observations and Investigations of the Rivers", came into force. The instruction is written much better than the former ones, but in spite of this, it shows some shortcomings which are pointed out here in brief.

Card 1/1

KHOBOTOV, V., inzh.

Device for removing and mounting gearboxes. Avt. transp. 42  
no.10:30 0 '64. (MIRA 17:11)

KHOBOTOV, Yu.

Reliable support. Mast.ugl. 9 no.9:19 S'60.  
(Trade unions) (Coal mines and mining)

(MIRA 13:10)

KHOBOTOV, Yu.

Active volunteer worker. Sov.shakht. 10 no.3:17 Mr '61.  
(Coal miners) (MIRA 14:7)

STROGANOV, N. S. ; KHOBOT'YEV, V. G.

Accumulation and release of radioactive phosphorus by aquatic organisms and its distribution in tissues of fish. Vest. Mosk. un. Ser. 6: Biol., pochv. 15 no. 4: 3-12 J1-Ag '60.

(MIRA 13:10)

1. Kafedra gidrobiologii Moskovskogo universiteta.  
(Phosphorus—Isotopes) (Hydrobiology)

KHOBTA, S.

Water sumps cleaning by use of pumps. Mast. ugl. no.10:16 0 '59.  
(MIRA 13:3)

1. Master vodootlive shakhty No.5 rudnika "Lengerugol'".  
(Mining engineering) (Mine water)

Knobta, Ya. m.

127-58-5-15/30

AUTHORS: Bakalov, P.L., and Knobta, Ya.M., Mining Engineers - Electro-mechanics

TITLE: Automatic Water Pumping in an Open Pit (Avtomatizirovanny vodootliv na kar'yere)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, p 52 (USSR)

ABSTRACT: Two automatic pumping stations with a 55 to 60 m head were installed in the Dolomitnyy mine of the Yelenovka Mine Administration. The inflow of water is 100 or 120 cu m/hr for each. The "Zapadnaya" station was equipped with 3 pumps, 300 cu m/hour each, of the AYAP-3/300 type manufactured by the Laptevskiy Zavod (Laptev Plant) driven by 155-kw motors. The "Vostochnaya" station was equipped with 4 pumps, 360 cu m/hour each, of the 6NDV type driven by 80-kw motors. In 1957, both stations were automated using the circuit AVD-3 of the Konotopskiy Zavod (Konotop Plant). At present, both stations are operating smoothly. One electrician, instead of the 6 machinists needed before automation, attends them.

Card 1/2

Automatic Water Pumping in an Open Pit

127-58-5-15/30

There are 2 figures.

ASSOCIATION: Yelenovskoye rudoupravleniye (Yelenovka Mine Administration)

AVAILABLE: Library of Congress

Card 2/2      1. Mines    2. Water pumps-Application

<b>Author</b>	: Khobot, V. V.
<b>USSR/Mining</b>	: Coal and gas
<b>Card</b>	: 1/1
<b>Authors</b>	: Khobot, V. V.
<b>Title</b>	: Sudden ejections of coal and gas in coal mines
<b>Periodical</b>	: Priroda, 43/7, 5 - 44, July 1954
<b>Abstract</b>	: A brief description of the origin of coal is given showing how the density of a coal vein is diminished through loss of material in the form of CO <sub>2</sub> , O, and H, and the subsequent absorption of methane, which sometimes accumulates in spots and erupts with explosive violence when pressure is removed by adjacent digging. This situation is analyzed for various mines in the Soviet Union and illustrated with drawings. Measures taken for the safety of workmen are explained.
<b>Institution</b>	: ....
<b>Submitted</b>	: ....

*Khobykin, A.V.*

USSR/Medicine - Therapeutic Diets

FD-1765

Card 1/1      Pub 141-12/15

Author : Khobykin, A. V.

Title : Some problems concerning therapeutic feeding at resorts and sanitariums

Periodical : Vop pit. 55-58, Jan/Feb 1955

Abstract : Mineral water is most effective if given about four hours after eating; hence eating schedules at resorts and sanitariums should be adjusted accordingly. Patients suffering from atherosclerosis should be fed special diets that will keep the cholesterol content down. Discusses other diets that are suitable for cardiac patients those suffering from hypertension and those having liverbile disorders. No references.

Institution: Sanitarium No 1, Kislovodsk

Submitted : --

KESSEL'MAN, L.I.; KHOCH, G.K. [Khoch, H.K.]

Attachment to the Class 27 button machine for the sewing of  
buttons with eyelet end. Leh. prom. no.3:77 JI-S '65.  
(MIRA 18#9)

KHOCHAVA, A. I.

"Data on the Analysis of the Nature of Chemotherapy for Typhoid Fever." Cand  
Med Sci, Central Inst for the Advanced Training Of Physicians, Moscow, 1955.  
(KL, No 15, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations  
Defended at USSR<sup>n</sup> Higher Educational Institutions (16).

*KHOCHAVA, A. I.*

USSR/Pharmacology. Toxicology. Chemo-Therapeutical Pre- U-7  
parations.

Abs Jour : Ref Zhur-Biol., No 7, 1958, 33050

Author : Khochava A. I.

Inst : ~~Not~~ given

Title : Effect of Levomycetin on the Typhoid Fever  
Process.

Orig Pub : Zdravookh. Belorussi, 1957, No 5, 12-14

Abstract : No abstract.

1/1

KHOCHENKO, R., inzh.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722120006-1"

improve the training of automobile drivers. Avt. transp. 36  
no.10:43 0 '58. (MIRA 13:1)  
(Automobile drivers)

KILIMNIK, I.V.; KHOCHENKO, R.V.; LUTOKHIN, I., red.

[Adjustment of the devices of systems and mechanisms of motor vehicles] Regulirovka priborov sistem i mekhanizmov avtomobilei. Kishinev, Kartia moldoveniaske, 1964. 106 p.  
(MIRA 18:10)

STRONE, I.S.; KHOCHENKO, R.V.; OSTROVSKIY, L.L.; LUTOKHIN, I.,  
red.

[For the motor-vehicle driver] Voditeliu avtomobilia. Ki-  
shinev, Kartia moldoveniaske, 1965. 165 p. (MIRA 18:10)

KHOCHINOV, Ye.R.

Importance of local corn seeds in Bryansk Province. Agrobiologiya  
no.2:288-289 Mr-Ap '62. (MIRA 15:4)

1. Kokinskiy sel'skokhozyaystvennyy tekhnikum, Bryanskaya oblast'.  
(Bryansk Province--Corn (Maize))

MOISEYEV, V. (Leningrad); GUZ, R. (Leningrad); KHOCHINSKIY, M. (Leningrad)

Unmarketable goods and reducing their price. Sov. torg. 35  
no.2:41-42 F '61.

(Retail trade) (Prices)

42161

S/203/62/002/001/012/019  
I023/I223

9.9500

AUTHOR: Khocholava, G.M.

TITLE: Anomalous absorption at the polar cap

PERIODICAL: Geomagnetizm i Aeronomiya, v.2, no.1, 1962, 105-113

TEXT: Data from 40 ionospheric stations in the northern hemisphere and 14 in the southern, obtained during the period July, 1957 to July, 1959, are analysed. A correlation of some periods with chromospheric flares of intensity 2 and 2+ is possible. Two types of anomalous absorption in the polar cap are observed: a) small delay (1-6 hrs) of the anomalous absorption relatively to the commencement of the chromospheric flare; the region of anomalous absorption occupies the whole polar cap. b) the anomalous absorption is observed in the beginning only at several stations; during the first hours (sometimes even for 10-15 hrs) the absorption is not a total one. Anomalous absorptions of the first type are caused mainly by flares in the western hemisphere

Card 1/2

S/203/62/002/001/012/019  
I023/I223

Anomalous absorption...

of the Sun, of the second type by flares in the eastern hemisphere of the Sun. The seasonal dependence of anomalous absorption is investigated. Several flares are analysed in detail. There are 3 tables and 4 figures. X

ASSOCIATION: Institut geofiziki Akademii nauk Grusinskoy SSR  
(Institute of Geophysics, Academy of Sciences  
Georgian SSR)

SUBMITTED: November 26, 1961

Card 2/2

9,9500

44452  
8/203/62/002/006/008/020  
A001/A101

AUTHOR: Khocholava, G. M.

TITLE: On anomalous absorption in the polar cap

PERIODICAL: Geomagnetizm i aeronomiya, v. 2, no. 6, 1962, 1095 - 1102

TEXT: The author investigates some problems related to anomalous absorption of radiowaves in the polar cap. The altitude of the absorbing layer was assumed to be  $\sim 60$  km and its thickness about 10 km. The additional ionization in the ionosphere, caused by penetration of high-energy (hundreds Mev) particles at high latitudes, amounts to  $\sim 10^4 - 10^5 \text{ cm}^{-3}$  and the density of the fast-particles flux (energies of 10 and 100 Mev) amounts to  $\sim 10^{-9} - 10^{-10} \text{ cm}^{-3}$ . Then the author describes dynamics of the anomalous absorption region prior to and after the beginning of a geomagnetic storm with sudden commencement. The analysis of the observational data available has shown that there exist three different types of anomalous radiowave absorption related to large B-type chromospheric: 1) anomalous absorption in the polar cap without subsequent transition into a "zonal" one, related to magnetic disturbances and visible

Card 1/2

KHOCHOLAYA, G.M.

Anomalous absorption in the polar cap caused by intense chromo-  
spheric bursts. Geomag. i aer. 3 no.5:914-921 S-0 '63.

(MIRA 16#11)

1. Institut geofiziki AN Gruzinskoy SSR.

L-26693-65 PBD/SEP(1)/EWD(V)/FCC/ED-4/SEC(1)/RWA(h) Po-1/Pe-5/Pq-1/Re-2/  
Peb/P1-4 CW/NS

ACCESSION NR: AR4047582

S/0169/64/000/009/A023/A023

AUTHOR: Khocholava, G. M.

TITLE: Some ionospheric effects of large solar flares ✓

SOURCE: Ref. zh. Geofizika, Abs. 9A143

CITED SOURCE: Tr. In-ta geofiz. AN GruzSSR, v. 21, 1963, 15-24

TOPIC TAGS: ionosphere, solar flare, type-III radio wave absorption, type-IV radio wave absorption, radio emission, magnetic storm, geomagnetic disturbance, radio emission burst, terrestrial magnetic field

ABSTRACT: An analysis was made of nine cases of large solar flares occurring during the period July 1957-August 1958 which caused type-III absorption. The article includes a table of flares, radio emission bursts, type-III absorption and geomagnetic disturbances. Almost all the flares (except one) which caused anomalous absorption occurred in the western hemisphere of the sun. Most were accompanied by a type-IV radio emission burst and a geomagnetic storm. One to three hours after the burst there was type-III absorption (observed on both the daytime and nighttime sides of the earth). This was caused by the injection of solar particles at high velocities. Anomalous absorption lasted 2-4

Card 1/2

L 26693-65

ACCESSION NR: AR4047582

days and was stronger in the daytime. Anomalous absorption was observed when the magnetic field was quiet, which can be attributed to the low density of the incident flux of particles. The intensity and duration of absorption are determined by the intensity. The author discusses the possible nature of the process responsible for type-III absorption. L. Lyakhova

ENCL: 00

SUB CODE: AA

Card 2/2

L 13089-66 EMT(1)/FCC/EMA(h) GW

ACC NR: AP6000733

SOURCE CODE: UR/0251/65/039/003/0555/0560

AUTHOR: Gachechiladze, R. G.; Khocholava, G. M.

ORG: Institute of Geophysics, Academy of Sciences, Georgian SSR (Institut geofiziki Akademii nauk Gruzinskoy SSR)

TITLE: Anomalous absorption at the polar cap

SOURCE: AN GruzSSR. Soobshcheniya, v. 39, no. 3, 1965, 555-560

TOPIC TAGS: solar flare, ionospheric absorption, solar chromosphere, solar corpuscular radiation

ABSTRACT: The authors study one of the interesting cases of anomalous absorption associated with a chromospheric flare on 7 July 1968. The data used in the paper are from vertical ionospheric sounding by a world wide network of stations: 67 stations in the northern hemisphere and 34 in the southern hemisphere. High energy electrons and protons were generated by the chromospheric flare. The synchrotron radiation of relativistic electrons was frozen into a plasma cloud. Protons with energies of tens to hundreds of Mev were hurled out by the sun and reached a

Card 1/2

2

L 13089-66

ACC NR: AP6000733

terrestrial orbit in 1-2 hours. Because of their comparatively low energy, they fell only into the polar cap regions causing anomalous absorption of the third type. The corpuscular stream<sup>2</sup> thrown out by this flare reached a terrestrial orbit in 31 hours and caused geomagnetic and ionospheric storms, as well as storms in terrestrial currents and cosmic rays. The state of the ionosphere was studied by using hourly and quarter-hourly data on the minimum reflection frequencies during vertical ionospheric probing. The state of the F2 layer was evaluated by deviation of its critical frequencies from the average monthly values in percent. It was found that the state of the F2 layer was nearly calm up until the beginning of the geomagnetic storm. An ionospheric storm began in the initial phase of the geomagnetic storm, gradually reaching almost all latitudes. This disturbance reached a maximum in the principal phase of the geomagnetic storm and gradually decreased, ending on 10 July. Anomalous absorption was observed simultaneously at all northern stations down to a latitude of 64°, while in the southern hemisphere observation was delayed by 3-4 hours. At stations located below a latitude of 64°, anomalous absorption was not observed until 10-20 hours after the chromospheric flare, and was much less pronounced.

SUB CODE: 0803/SUBM DATE: 14Jan65/ ORIG REF: 007/ OTH REF: 002

Card 2/2 DR

L 9781-66

ACC NR:

EWT(1)/FCC/EWA(h)  
AP5025483

GW

SOURCE CODE: UR/0203/65/005/005/0934/0936

AUTHOR:

Gachechiladze, R. G.; Khocholava, G. M.

ORG: Tbilisi State University (Tbilisskiy gosudarstvennyy universitet); Institute of Geophysics, AN GruzSSR (Institut geofiziki AN GruzSSR)

TITLE: Anomalous absorption in polar cap

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 5, 1965, 934-936

TOPIC TAGS: astronomy, solar activity, ionosphere, geomagnetic disturbance, *solar flare*, earth magnetism, *solar corpuscular radiation*

ABSTRACT: The case of April 10, 1958, was the most interesting of all observed cases of anomalous absorption in the polar cap. Despite the fact that it was a typical case of absorption, it was only now that an attempt was made to explain the occurrence. The data on the vertical probing of the ionosphere, obtained by

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UDC: 550.385.

L 9781-66

ACC NR: AF5025483

high latitude stations (up to  $50^\circ$  of geomagnetic latitude) were used in the study, by taking the parameters  $f_{min}$  and  $f_oF_2$  from ionospheric data. Graphs were plotted on the dependence of time ( $t$ ) of the anomaly beginning on the effective latitude  $\bar{\lambda}$  (in coordinates  $\bar{\lambda}$  vs.  $t$  and  $\bar{\lambda}$  vs.  $\Delta t$ ; where  $\Delta t$  is the duration of anomalous absorption in the polar cap). The heliophysical phenomena were investigated for the same period. Two active areas (A and B) were present in the sun during the period from March 30 to April 20 (See Solnechnye dannyye, 1958, No. 4. and Quart. Bull. Solar Activity, 1958, No. 2). The entire complex of disturbances which occurred between April 10 and 20 was tentatively explained on the basis of these data. The flocculus in area A emitted, on April 8, a corpuscular stream (stream 1) of low velocity which reached the earth orbit and caught the earth on April 14, causing a storm with a gradual beginning (the earth entered the stream from the lateral side). The chromospheric solar flare ( $\varphi=11^\circ N$ ,  $\lambda=40^\circ W$ ) occurred at 14 hrs. 30 min. in the region B of the sun (eastern part, latitude  $\sim 10-20^\circ N$ ). It generated high-energy particles causing an anomalous absorption in the polar cap on April 10. The prolonged wandering of particles in space was caused by the presence of stream 1 and magnetic heterogeneity. This explained also the isotropic intrusion of particles into the ionosphere of the entire polar cap. The same flare emitted another corpuscular

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L 9781-66

ACC NR: AP5025483

stream (stream 2) which passed the earth without reacting with the earth's magnetic field because of its high velocity. Till the evening of April 11 stream 2 caused a local effect of a decrease in cosmic rays and ionosphere for European zone, which was at this moment in the evening side. The geomagnetic storm of the SC type, which occurred at 20 hrs. 48 min. on April 15 could have been caused by corpuscular stream 3, emitted by the chromospheric solar flare generated in the area B and having the coordinates  $\varphi=14^{\circ}\text{N}$  and  $\lambda=36^{\circ}\text{W}$ . Orig. art. has: 4 figures.

SUB CODE: 06/01/83 SUBM DATE: 07Dec64/

NR REF SOV: 004/ OTHER: 002

3/3

ACC NR: AP6019172

SOURCE CODE: UR/0251/65/039/003/0555/0560

AUTHOR: Gachechiladze, R. G.; Khocholava, G. M.

ORG: Institute of Geophysics, AN GruzSSR (Institute geofiziki AN GruzSSR)

TITLE: Problem of anomalous absorption in the polar cap

SOURCE: AN GruzSSR. Soobshcheniya, v. 39, no. 3, 1965, 555-560

TOPIC TAGS: solar flare, solar chromosphere, solar radio emission, ionospheric sounder, solar corpuscular radiation, magnetic storm, solar radiation absorption, storm

40  
B

ABSTRACT: This study is devoted to a detailed investigation of a particular case of anomalous polar cap absorption associated with the chromospheric flare of 7 July 1958. The authors used data from vertical soundings of the ionosphere at 67 stations in the northern and 34 stations in the southern hemisphere. The particular flare was of importance 3+ and it and the related active region are described. This flare was accompanied by powerful solar radio emission at all frequencies; the onset of the flare coincided with a type-II radio burst and the maximum of the flare coincided with type-IV radio burst. The entire development of the process in the sun-space-earth system is analyzed. The corpuscular stream emanating from this flare attained the earth's orbit and caused a geomagnetic and an ionospheric storm, as well as earth current and cosmic ray storms. When the earth entered the corpuscular stream particles with 1 Mev or less penetrated into the ionosphere over the auroral zone along the lines of force, thereby causing anomalous type-II absorption. The technique used in detecting the time of anomalous absorption is described. The anomalous absorption began simultaneously at all stations in the northern hemisphere southward to latitude  $\lambda = 64^\circ$ . This paper was presented by Corresponding Member AN GruzSSR, Academician M. M. Mirianashvili on 14 January 1965. Orig. art. has: 4 figures and 2 formulas. [JPRS]

SUB CODE: 03, 08 / SUBM DATE: 14Jan65 / ORIG REF: 007 / OTH REF: 002

Card 1/1 CC

1-43160-66 HWT(1)/FCG GW  
ACC NR: AP6018924

SOURCE CODE: UR/0203/66/006/003/0588/0589

AUTHOR: Khocholava, G. M.; Gachechiladze, R. G.

ORG: Institute of Geophysics, AN GruzSSR (Institut geofiziki AN GruzSSR)

TITLE: Nature of disturbances in the F2 region of the ionosphere at middle latitudes

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 3, 1966, 588-589

TOPIC TAGS: ionospheric disturbance, F layer, Earth magnetic field, geomagnetic disturbance

ABSTRACT: In an analysis of the character of ionospheric disturbances at middle latitudes, use was made of data obtained from vertical sounding of the ionosphere during the IGY by six stations located in the latitude range of 02-65°N. The initial data employed were the critical frequencies of the F2 layer. Graphs were plotted for deviations of these frequencies from the normal level (F2, %). The disturbance pattern was studied by using different methods of processing the data, in order to determine whether positive disturbances are due to errors inherent in the method itself or whether they actually occur at middle latitudes. The following conclusions were reached: (1) the median calculated for magnetically quiet days can be used at all latitudes; (2) positive disturbances are observed only at low (equatorial) latitudes, and also during winter months at geomagnetic latitudes above 47° (nocturnal winter anomaly); (3) positive disturbances are lacking at middle latitudes. Isolated cases of positive disturbances observed by some stations at middle latitudes are strictly local

Card 1/2

UDC: 550.388.2

L 43160-66

ACC NR: AP6018924

in character and have nothing in common with the development of the overall planetary character of the disturbances of the earth's magnetic field. Orig. art. has: 2 figures and 1 table. ✓

SUB CODE: 04,08/SUBM DATE: 04Dec65/ ORIG REF: 003

Card 2/2 MLP

L 10838-67 ENT(1)/FCO GW  
ACC NR: AR6032355 SOURCE CODE: UR/0109/66/000/007/A052/A052 26

AUTHOR: Abuladze, N. B.; Khocholava, G. M.; Chikovani, D. S.

TITLE: Some parameters of type Sc geomagnetic storms

SOURCE: Ref. zh. Geofizika, Abs. 7A317

REF SOURCE: Sb. Nekotoryye vopr. issled. elektromagnitn. polya Zemli, no. 1(23), Tbilisi, Metsniyereba, 1965, 46-51

TOPIC TAGS: storm, magnetic storm, geomagnetic storm, anomalous absorption, polar cap, geomagnetic latitude

ABSTRACT: Some parameters of fluxes for magnetic storms following anomalous absorption in the polar cap (AAPC) were investigated on the basis of data obtained at the Dusheti Magnetic Observatory and the ionospheric data for the IGY. These parameters are compared with the parameters of usual fluxes. Also, AAPC dynamism in the period of the development of a geomagnetic storm was studied. On the basis of the condition that the energy density of the corpuscular flux at the boundary of the magnetosphere and that of the geomagnetic field are equal, the authors derive a formula connecting the magnetospheric radius R with the increase

Card 1/2

UDC: 550.385.4

L 10838-67

ACC NR: AR6032355

of the geomagnetic field and on the equator into the initial stage of storm  $\Delta H$ .  
R and flux densities n are calculated for various storms. It is concluded that  
in comparison with ordinary storms, the storms correlated with AAPC have a  
larger R and a lower n. It is stated that denser fluxes possess more intensive  
magnetic fields. It is noted that there is a divergence between theoretical and  
experimental values of the geomagnetic latitude of the external zone of anomalous  
absorption. This divergence is especially noticeable at the moment of the highest  
geomagnetic field depression. I. Kovalevskiy. [Translation of abstract]

SUB CODE: 08/

Card 2/2

ACC NR: AR6032354

SOURCE CODE: UR/0160/66/000/007/A042/A043

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722120006-1"

AUTHOR: Katsiashvili, N. A.; Matsaberidze, V. S.; Khocholava, G. M.

TITLE: Magneto-ionospheric disturbances correlated with anomalous absorption  
in the polar cap

SOURCE: Ref. zh. Geofizika, Abs. 7A254

REF SOURCE: Sb. Nekotoryye vopr. issled. elektromagnitn. polya Zemli.  
No. 1(23). Tbilisi, Metsniyereba, 1965, 52-61

TOPIC TAGS: ionospheric disturbance, geomagnetic disturbance, anomalous  
absorption, geomagnetic storm, polar cap absorption

ABSTRACT: Magneto-ionospheric disturbances correlated with anomalous  
absorption in the polar cap (AAPC) were studied on the basis of data for the  
International Geophysical Year obtained at the Dusheti Magnetic Observatory and  
at 12 Soviet Ionospheric stations. Their characteristics are compared with storms  
which are not correlated with AAPC. The following conclusions were reached:

1) Sc\* type geomagnetic storms with a preliminary negative momentum (for  
Dusheti) have almost no correlation with AAPC; 2) the presence of the preliminary

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UDC: 550.338.2:550.385.4

ACC NR: AR6035547 SOURCE CODE: UR/0269/66/000/010/0058/0058

AUTHOR: Gachechiladze, R. G.; Khocholava, G. M.

TITLE: Ionospheric disturbances caused by great chromospheric flares

SOURCE: Ref. zh. Astronomiya, Abs. 10, 51, 419

REF SOURCE: Sb. Nekotoryye vopr. issled. elektromagnitn. polya Zemli. No. 1(23), Tbilisi, Metsniyereba, 1965, 62-73

TOPIC TAGS: ionospheric disturbance, solar flare, ionospheric absorption, magnetic storm, anomalous ionospheric absorption, polar cap, corpuscular stream

ABSTRACT: Several cases of type-III anomalous absorption recorded for the period July 1957—July 1960, are investigated. The possibility of a connection between some periods of anomalous ionospheric absorption in the polar cap and solar flares of force 2 and 2<sup>+</sup> is suggested. Two types of anomalous absorption, "simultaneous" and the "gradual" types, have been detected in the polar cap. The phenomena of type-I start with a small delay following the start of a solar flare (most frequently in the western section of the solar disk) and embrace the entire polar cap simul-

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UDC: 523.75:525.23

ACC NR: AR6035547

tanously. Type II phenomena start at one or several stations and gradually embrace the entire polar cap but in the first 10 to 15 hours the absorption is not total. Generally, these cases follow flares occurring in the eastern solar hemisphere. It is supposed that the magnetic field intensity of the corpuscular stream may be one of the factors determining the division of anomalous absorption in the polar cap into two types. Daily variations and the duration of anomalous absorption in the polar cap are investigated. The evolution of anomalous absorption may be divided into three stages: prior to, during, and following the magnetic storm. On the basis of experimental data, a mechanism of the origin of all the three stages of anomalous absorption is suggested. Bibliography has 20 titles. I. Odintsova. [Translation of abstract] [DW]

SUB CODE: 03/

Card 2/2

ACC NR: AT6028209

absorption, several flares, 7-10 days. The state of the  $F_2$  layer of the ionosphere during anomalous absorption in the solar cap is discussed and it is noted that it is almost impossible to determine in the polar cap and at high latitudes. Its state can be determined below  $60^\circ$ , but no planet-wide picture can be established. Soviet data on 14 ionospheric storms indicates normality of the  $F_2$  layer. Orig. art. has: 1 formula, 2 tables, and 6 figures.

SUB CODE: 04,03 / SUBM DATE: none / ORIG REF: 016 / OTH REF: 004

Card 2/2

KHOCHOLAVA, I. A.

Khocholava, I. A.: "A more precise calculation of input coefficients of raw tea per unit of finished product", (For four tea factories of the Chay-Gruziya Trust), - In index: A. A. Khocholava, Byulleten' Vsesoyuz. nauch. p issled. in-ta chaya i subtrop. kul'tur, 1948, No. 3, p. 104-08.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

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SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

Name: KHOCHOLAV, Ivan Andreyevich  
Dissertation: Technology of Tea  
Degree: Doc Tech Sci  
Affiliation: All-Union Sci Res Inst of the Tea  
Industry  
Defense Date, Place: 5 Jun 56, Council of Georgian Order  
of Labor Red Banner Agr Inst  
Certification Date: 12 Jan 57  
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KHOCHOLAVA, I.A., doktor tekhn.nauk

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